



# Erie on the Park

Chicago, IL

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Structural Emphasis

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## Breadth Study

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In the depth study the floor and lateral systems are being altered from steel systems to concrete systems. To fully understand whether or not this change could lend itself to a more efficient system, more than just the strength and serviceability of each of the system will have to be investigated.

### Breadth Topic 1

The first breadth topic that I will explore will be the implications to the construction management of this project. This will include an in depth cost analysis of the building for the flat-plate system with shear walls and a look to see how the construction schedule will be altered due to the curing time of the concrete and the coordination of the different trades.

### Breadth Topic 2

I also plan to investigate a couple of the criteria that would gain this building certification as a LEED Design. The specific points would be chosen from the 69 criteria found in the *Green Building Rating System for New Construction and Major Renovations*. In doing this I will determine the effect to initial project cost as well as to the life cycle costs and material and system selection.